

# FOLIO

THE UNIVERSITY OF ALBERTA STAFF BULLETIN

EDMONTON, ALBERTA

2 MARCH 1978

## C'MON IN . . . VARSITY GUEST WEEKEND

On Saturday, 11 March, from 9 a.m. until 5 p.m., the Students' Union will be reviving a friendly old tradition: Varsity Guest Weekend.

According to Jay Spark, President of the Students' Union, "Varsity Guest Weekend . . . serves two purposes. Opening the doors of the University allows the public to consider what roles the University should play in a rapidly changing society. It also provides the prospective student a glimpse of what to expect from the University."

During Varsity Guest Weekend, most faculties will have special displays, demonstrations, lectures, and films to illustrate their work. For example, Physics students will be giving demonstrations of lasers, holography, the Van de Graaf generator, microcomputers, and liquid nitrogen. The observatory on the roof of the Physics Building will be open for public viewing. The Home Economics Faculty, marking its sixtieth anniversary, will have extensive displays for all three of its Divisions, Foods and Nutrition, Clothing and Textiles, and Family Studies. The displays will focus on career possibilities and aspects of the work of each of the three Divisions: slide-tape presentations of Family Studies graduates helping people with problems; displays showing diet care and microbiological in the food industry; and displays of historical costumes, the Textile Analysis Service, and design courses.

Dentistry students will be presenting displays showing changes in Dentistry in recent years, the emphasis on preventive dentistry, and new advances in restorative dentistry.

Education students will be giving several videotape and live presentations, including a series titled "Education Today", with topics ranging from the teaching of learning disabled children through teaching materials related to the Commonwealth Games.

The Physical Education and Recreation Centre will be open throughout the day, and various sporting events will take place, including a fencing match, a gymnastic demonstration, and a kayak race.

In addition to faculty displays and demonstrations of which those mentioned are only a few, there will be live entertainment throughout the campus, including several bands in the Students' Union Building,



choral performances, and theatrical presentations.

The first Varsity Guest Weekend was held in February, 1952, billed as a "giant open house for parents." Over 3,000 people attended (the organizers expect 30,000 on 11 March), and one of the special attractions was the new Rutherford Memorial Library, the first new building to be built on the campus since 1929; it had been opened not long before and was expected to meet the University's library needs for many decades to come.

Home Economics demonstrations, far from showing scientific advances in the food industry or in nutrition, consisted of preparing cakes, cookies, candies, and jam and passing out samples of the goodies when they were finished.

In the early days of Varsity Guest Weekend, the day began with the Wauneita Society Tea, and included performances of the University of Alberta Symphony and the Mixed Chorus, a "Moccasin Dance," and "Varsity Varieties," an entertainment staged by various campus clubs.

Through the years, the nature of Varsity Guest Weekend changed with the times, but still remained a major event in the life of the whole University. After 1970, however, Varsity Guest Weekend fell victim to the financial restraints imposed on the University.

This year it has been revived, as students and staff come to realize the value of showing the University to the community and thus perhaps demonstrating its continuing value.

Everyone is invited to attend and participate (there is no charge). Parking for

the day will be free in all major parking areas, including Stadium and Windsor Car Parks.

## SENATE TASK FORCE ON NATIVE STUDENTS

The Senate Task Force on Native Students, begun in 1973 and reactivated in 1976, presented its report to the Senate on Friday, 28 February.

The Task Force consisted of Roy Jahma, a former Senate member, Chairman; Hazel Braithwaite, Georgie Brooks, Thelma Chalifoux, Patti Meekison, Mickey McCannel, and June Sheppard, Senate members; Anna Hocking, Research Director, Alberta Committee for Indian Rights for Indian Women; Chief Eugene Steinhauer, Chief of the Saddle Lake Tribal Administration and a member of Senate; and Mike Steinhauer, Executive Director, Blue Quills Native Education Council.

The Task Force's terms of reference were "to gather information about the situation of natives in relation to the University of Alberta," in particular (a) "to discover more information about treaty and nontreaty native students who are presently at the University of Alberta including their number, origin, attitudes, needs and difficulties"; (b) "to determine the subsequent history of native graduates of the University of Alberta"; (c) "to gather information about what is done for native students at other universities"; (d) "to discover the reasons for the apparent differences between the record of Alberta in educating native students at the university level and that of the comparable provinces"; and (e) "to make recommendations."

After studying the various relevant problems, considering the special programs for native students at other universities and at the University of Alberta, and interviewing both native students and other members of the native community, the Task Force concluded that "the University of Alberta is not yet attracting and keeping native staff and students in numbers commensurate with the size of the University. In order to serve Alberta's native community better, the University of Alberta must expand its academic programs and support services for native students, and facilitate and encourage consultation with Alberta's native community. There is an expressed need for the establishment of a centralized and consolidated agency which native people can approach to seek help in adjusting to the university environment. This agency should provide assistance to native students in dealing with the academic, administrative, cultural, and social aspects of university life. Native leaders in Alberta must make a greater effort to cooperate with the university to improve

educational opportunities for native students."

Senate unanimously adopted the report, approved its recommendations, and forwarded them to the appropriate University governing bodies and administrators and government departments.

The recommendations were as follows.

1. That "the University of Alberta state its policy with regard to providing higher education to the native community."
2. That "the University of Alberta consider a proposal from native people to establish an affiliated Indian and Métis college which would be academically integrated with the University and located on the University of Alberta campus. All existing and future programs and services for native people would be administered by the college."
3. That "a program in native studies be developed at the University of Alberta."
4. That "the financial difficulties of Métis and non-status Indian students be recognized and that the private and public sectors be solicited for support."
5. That "the requirements for mature student status continue to be sufficiently flexible to recognize the work and educational experience of native people."
6. That "in faculties where a second language is required, the University continue to recognize fluency in any native tribal language as qualifying for the second language requirement and that examiners in these languages be provided by the University."
7. That "the University of Alberta, through the Office of the Adviser on Native Affairs, organize an effective information campaign which reaches native students in their junior and senior high schools, junior colleges, and vocational centres. Information should include facilities available at the University and provide some career counselling."
8. That "a summer orientation program be established for native students for whom room, board, and tuition would be provided. The program would include information about: services of the Office of the Adviser on Native Affairs; the Native Students' Club; communication skills; course selection; registration or pre-registration procedures; professors whose courses fall under the Native Studies category; housing; day care facilities; and financing."
9. That "a fall session credit course in communications be established for native students. This course would include information on: how to take lecture notes; report and essay writing; examination writing; how to use the library."
10. That "the Office of the Adviser on Native Affairs be provided with a sufficient number of staff members to meet the needs

# FOLIO

THE UNIVERSITY OF ALBERTA, EDMONTON, ALBERTA

Published every Thursday for the staff and interested persons by the University Publications Office. Copyright 1977.

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434 Athabasca Hall, The University of Alberta

Printed by Printing Services

Photographic lab work by Technical Services

Telephone 432-4991

of native students on the campus and to maintain liaison with Alberta's native communities."

11. That "the Office of the Adviser on Native Affairs continue to provide counsel and support to native university students."

12. That "the Office of the Adviser on Native Affairs provide help in finding suitable housing for native students from the various University housing authorities and maintain a list for this purpose."

13. That "the Office of the Adviser on Native Affairs work closely with the Student Affairs Office to ensure that native students can be provided with a current list of licensed daycare facilities."

14. That "the Office of the Adviser on Native Affairs search out and provide tutors for native students when needed and that funds for payment of these tutors be provided by the University and included in the budget of the Office of the Adviser on Native Affairs."

15. That "the Adviser on Native Affairs consider publishing a quarterly newsletter on the activities of that Office and on pertinent University programs. This newsletter would be sent to all native groups in the province of Alberta as well as members of the university community."

16. That "a program similar in scope and intent to Project Morning Star be established in Grouard, Alberta."

17. That "the University of Alberta continue to support Project Morning Star as long as there is need for the program."

18. That "programs in teacher education similar in scope and intent to Project Morning Star be established in other areas of central and northern Alberta, if such need is expressed."

19. That "consideration be given to the establishment of additional university programs of the Morning Star type in northern and central Alberta as the demand arises. Programs in nursing, social work, forestry, business administration, law, political science, and economics could be considered."

20. That "the Senate request information on the status of Recommendations 1 to 19 by March 1979."

Roy Jahma, Chairman of the Task Force, said that recommendation 2, that the University give consideration to a proposal from the native community to establish an affiliated Indian and Métis college at the University, was the key recommendation in the report. Because similar colleges have already been successfully established at other Canadian universities, it was pointed out that the report was not asking for anything new or unusual.

The other recommendations in the report, according to Mr. Jamha, were for immediate

necessities for the native students.

The unanimity of the Senate's vote to accept the Task Force Report was also evident in the tone of the remarks made by the various speakers at the meeting. Their remarks were uniformly positive in regard to the recommendations.

Among those individuals who addressed the Senate after the official presentation of the Task Force Report were Thelma Chalifoux, Mike Steinhauer, Chief Eugene Steinhauer, Stan Daniels, Marilyn MacDonald, and a number of native students at the University. Thelma Chalifoux was the first to speak after the presentation of the Report. The text of her address was taken largely from a report written in 1932 that described the position of the Métis people at that time. Noting that the conditions described in that earlier report and the conditions of the present day were very similar, she stressed the importance of the Task Force's recommendations. "If our children, especially in the northern half of Alberta, are not given a chance to become good, viable citizens of this country, especially with assistance in financial, cultural, and the things that we as a task force have recommended, then I am afraid to say what will happen in the future."

Mike Steinhauer, Executive Director of the Blue Quills Native Education Council, noted that "It is only in the past few years that native people have come to fully realize the importance of education." He went on to remark that the Task Force Report was encouraging, and that native people in the province would be looking closely at its recommendations and examining the ways in which the report would effect them.

Eugene Steinhauer, Chief of the Saddle Lake Administration, spoke next, and he stressed that the injustices of the past were well known but should not be dwelt upon. He strongly approved of the idea of establishing an Indian and Métis college at the University, but he also felt that Indian people should have the opportunity for education in their own communities. He said that the doors should remain open and native people be given the choice of integrating with the larger community or remaining in their own communities. He noted that such a choice was not always available in the past.

Stan Daniels of the Métis Association spoke to the Senate very briefly, claiming that the previous speakers had covered all the points he felt needed to be mentioned. He did stress, however, that the situation was not one that anyone should feel guilty about, but instead it was a situation which should be acted upon with measures like those proposed in the Task Force's recommendations.

Marilyn MacDonald, University Adviser on Native Affairs, noted that there

were some immediate needs. Among the areas that she indicated as needing improvement were increased staff for the Office of Native Affairs, people trained in career counselling, and an orientation program for native students who come to the campus to attend classes.

The official representatives of native groups, the native students who described their experiences on campus, and the members of Senate who addressed the issue were in accord: the recommendations of the Task Force were well-considered, and the hope was repeatedly expressed that the specific governmental bodies to which the recommendations were directed would take quick and much needed action.

#### **Association for Children With Learning Disabilities**

During the afternoon the Senate heard a presentation of the Edmonton Association for Children With Learning Disabilities. The Association expressed a concern in two basic areas. They indicated their belief in the need to train future members of the teaching profession in the recognition of learning disabled children, and they wished to promote the provision of specific learning disability courses, seminars, and workshops to answer the requests and requirements of those who are currently teaching in Alberta.

The presentation of the Association covered the history of their activities, the nature of the problems of a learning disabled child, and some of the ways learning disability could be more effectively dealt with in the classroom. Those members of the Association who made the presentation were the following: Gayle Gilchrist James, Associate Professor in the Faculty of Social Welfare, University of Calgary; David Schiff, Neo-Natologist at the University of Alberta Hospital; Isabell C. Reid, Executive Secretary of the Edmonton ACLD and the Alberta ACLD; S. Lal Mattu, Assistant Superintendent, Wainwright School Division Number 32; and Robert J. Edgar, President of the Alberta ACLD.

The presentation made by the Association was well received by the Senate. Their request for the creation of a Senate Task Force to consider the establishment at the University of a variety of courses in the recognition and teaching of learning disabled children was deferred to the next meeting of Senate. The concern of the Senate was not that such a task force was needed but rather that the terms of reference for it should perhaps be wider than the Association proposed. It was suggested that at the next meeting of Senate, representatives of the Faculty of Education as well as other interested persons should speak to the issue.

## GENERAL FACULTIES COUNCIL MEETING

A meeting of GFC will be held on Monday, 6 March at 2:00 p.m. in the Council Chamber, University Hall.

### Agenda

1. Approval of the Agenda
2. Approval of the Minutes
3. Question Period
4. New Members

### Reports

5. Executive Committee reports
6. Report of the Board of Governors
7. Report of the Nominating Committee

### New Business

8. Release of First Term Results: Proposal to Revert to Marking Results Early in Second Term
9. Collège Universitaire Saint-Jean: Proposed Name Change
10. Employment Policies: Board Academic Concerns Committee Proposal
11. Advance Registration: Faculty of Arts Proposals
12. Admission Requirements: Proposed Recognition of Social Sciences 30 as a Group

### 'A' Matriculation Subject

13. Admissions and Transfer Policy: Report of the Committee on Admissions and Transfer
14. Other Business

### For Information

15. Admissions Procedures in Quota Faculties: Preliminary Report
16. Advertising Academic Vacancies: Report of Vice-President (Academic)
17. Letter of Resignation from Professor W.R. Thorson, Department of Chemistry
18. Letter of Protest from Professor A. Munn, Department of Music

## DAY CARE DRIVE

A drive to raise funds to build a day care centre on campus, initiated by the Academic Women's Association and the University Day Care Committee, shows signs of success, according to Linda Fitz, Associate Professor of English and President of the Academic Women's Association, who is involved with the Committee. "Less than a week after circularizing full-time staff," she said, "over \$6,500 in contributions and pledges have come from both men and women, from

people with children and from people without children."

This response demonstrates tangibly a concern among University staff about the inadequacy of day care facilities on campus. (Although an excellent day care centre exists in the Housing Union Building, it has had long waiting lists since its beginning; moreover, it has very few places for children of non-academic staff and excludes the children of academic staff altogether.) The Committee hopes to use private contributions and matching grants as a basis for approaching the University and government for additional support, for the purpose of providing a building to house a user-pay day care facility.

Dr. Fitz explained that the Committee was not seeking a *subsidized* day care facility, only the funds for the initial capital cost of a modest building to house such a facility. The proposed day care centre, if it were built, would give priority to the children of University staff, but would not exclude children of students or children from the community.

"There are those who seem to think that

## ENERGY COSTS AND CONSUMPTION: BIOLOGICAL SCIENCES CENTRE

The following information has been received from R.J. Burns, Director of Energy Management. This is the second in a series of articles illustrating energy costs on campus.

The cost of utilities in the Biological Sciences Centre went up 40 percent in 1976 over 1975. Consumption decreased 8.5 percent over the same period of time (Table 3).

Shown (Table 1 and 2) is a comparison of the Biological Sciences Centre's energy consumption and costs for the fiscal years 1975/76 and 1976/77. Because this building is the largest on campus, 600,000 square feet, and because of the on-going research carried out within its walls, Biological Sciences Centre is a significant consumer of energy. In addition to illustrating the actual energy consumption, the energy units used in the various categories have been converted to their equivalent in kWh. This equivalent is described as Building Energy Ratio (BER) to simplify comparison of dissimilar units. The average BER of all buildings on campus is generally in the order of magnitude of 88 equivalent kWh/sq.ft./yr.

Table 3 reflects the increases in cost within the one year span even though both electrical and steam consumption have dropped.

Table 1. Energy consumption, cost, BER of major utilities in Biological Sciences Centre for 1975/76

	Consumption	Cost	¢/sq.ft.	BER E.kWh/sq.ft.
Electrical	25,245,800 kWh	\$251,000	42	42.3
Steam	171,820,300 lb.	145,000	24	88.0
Water & sewer	14,415,400 cu. ft.	72,100	12	—
Chilled water	3,649,800 ton hr.	115,700	19	21.3
Total utilities		583,800	97	151.6

Table 2. Energy consumption, cost, BER of major utilities in Biological Sciences Centre 1976/77

	Consumption	Cost	¢/sq.ft.	BER E.kWh/sq.ft.
Electrical	23,864,400 kWh	\$346,000	58	39.9
Steam	141,969,300 lb.	215,800	36	72.7
Water & sewer	16,917,500 cu. ft.	113,300	19	—
Chilled water	4,470,000 ton hr.	141,700	24	26.1
Total utilities		816,800	137	138.7

Table 3. Change in energy consumption, cost expressed as percentage

	Change in Consumption	Change in Cost
Electrical	- 5.5%	+37.8%
Steam	-17.5%	+48.8%
Water & sewer	+17.4%	+57.1%
Chilled water	+22.5%	+22.5%
Total utilities	- 8.5%	+40.0%

child care is a private matter in which the University has no place, that University staff members can hire baby sitters or find day care centres in the community to which they can send their children," Dr. Fitz commented. "What they don't realize, and can't imagine if they have never experienced it themselves, is that good quality, responsible, reliable day care is incredibly hard to find."

"The University already provides, through its staff benefits, services that touch the private lives of its staff," she said. "Providing land and assistance in establishing a staff day care centre is hardly different from—and indeed is less of a continuing expense than—a dental plan, life insurance, or even parking facilities."

"Day care is not just women's concern," she continued. "A child has two parents after all. If both those parents had careers that mattered to them, it would be grossly unfair if one of them had to 'drop out' of his or her profession for a number of years simply because good day care was not available to them."

"We have been particularly gratified by the response we have received from men, from people without children, and from people whose children have long passed the age of needing day care," she said.

Those who wish more information about the proposal of the University Day Care Committee or who wish to contribute towards it may contact Dr. Fitz at 432-4639, or Elizabeth Richards, Chairperson of the Committee, at 432-2475.

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## PEOPLE

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■ Agnes Yu, Graduate Student in Educational Psychology, addressed the teachers and staff of the Ottawa/Carleton School Board on "Instructional strategies in minority education."

■ V.E. Merchant of the Department of Electrical Engineering has just returned from San Diego where he attended the Conference on Laser and Electro Optic Systems. The Conference was held from 7 to 9 February.

■ G. James Egler, Assistant Professor, Department of Art and Design, was invited as a participant at a recent conference titled "Industrial design and the new aesthetic," held at Carleton University.

■ Roger G. Motut, Professor of Romance Languages, recently participated in the University of Calgary's speakers' series "Quebec and Confederation." He delivered a paper titled "The French fact in Alberta."

■ Roy T. Berg of the Department of Animal Science was a recent guest of the University of Arkansas Agricultural Experiment Station. During his three-day visit he toured the

Arkansas facility, met with Faculty and students, conducted a seminar on Breeding for Adaptability, and gave a public lecture titled "Growth and development of beef carcass components."

■ Bob Arnold, an employee of the Department of Biochemistry since 1931, was recently awarded the Queen's Silver Jubilee Medal. The medal is awarded to members of the community as an expression of appreciation of exemplary service rendered by the recipients and as an evidence of the esteem in which they are held.

■ John W. Chalmers, Professor Emeritus, Department of Educational Foundations, recently served as chairman of a two-day workshop, sponsored by Alberta Culture, on the writing of local history. University Archivist J.M. Parker was one of the principal speakers.

■ R. Bryce of the Department of Educational Administration was the keynote speaker at the British Columbia School Trustees' Association's "Seminars for Board Chairmen" from 2 to 4 February in Vancouver. Dr. Bryce spoke on the nature of organizations.

■ J. Paul Johnston, Associate Professor in the Department of Political Science, has been invited to participate in a special conference titled "Party Identification: Conceptualization and Measurement" to be held in late February at Florida State University. The conference is one of a series sponsored by the Board of Overseers of the United States National Elections Project which focuses on matters related to planning the next two national elections studies in the United States. In January, Professor Johnston was an invited participant in an earlier conference in the series which centered on the cognitive aspects of "issue voting" and rational choice in electoral behavior. On both occasions he has been the sole foreign participant invited to attend.

■ Sushanta Dattagupta, a Research Associate in the Theoretical Institute and Department of Physics during 1975-76, is now on the permanent research staff of the Materials Science Laboratory, Reactor Research Centre, Kalpakkam, Tamil Nadu, India. Dr. Dattagupta has also been awarded the Young Scientist Award in physics for 1977. The award, which carries a cash prize and a research grant, was presented to him by the Prime Minister on 3 January.

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## BOOKS

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■ *Euripedes: Rhesos*, translation with introduction and notes by Richard Emil Braun,

Professor in the Department of Classics, has been published by Oxford University Press. Professor Braun's 1973 version of Sophocles' *Antigone* was presented in four performances in December 1977 at North Carolina Central University.

■ On 7 March, Columbia University Press will publish *Marxist Models of Literary Realism* by George Biztray, Visiting Assistant Professor in the Department of Germanic Languages.

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## NOTICES

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*Notices must reach the Editor by 9 a.m. the Thursday prior to publication. Written notification is necessary*

### Dial-A-Dietitian

Dial-a-Dietitian is a public service carried out by the Alberta Registered Dietitians Association. The service allows individuals to call 454-2649, an answering service, and ask questions about nutrition, planning adequate meals, purchasing, storing, or handling of foods, food labelling and additives, preparing and cooking convenience foods, and similar topics. Within forty-eight hours a volunteer registered dietitian will call back with the researched answer to the question. For those people who live in other parts of Alberta, written responses will be sent in reply to telephone inquiries.

The purpose of Dial-a-Dietitian is to provide the public with an authoritative source of nutrition information. The service is free of charge. Dial-a-Dietitian operates from 9 a.m. to 5 p.m. Monday through Friday, holidays excepted. Further information about the service is available by telephoning 435-5695.

### United States Tax Returns

A Revenue Service Representative, John Finnick, will be at the Chateau Lacombe from 13 to 24 March to assist citizens of the United States with their tax returns. During his stay in Edmonton, Mr. Finnick may be reached by telephoning 428-6611.

### South Power Plant—Change of Name

At its meeting on 3 February, the Board of Governors, on the recommendation of the Building Committee, agreed that the Building currently known as the South Power Plant be renamed "The University of Alberta Heating Plant" to better reflect its prime function as the only remaining plant for the production of heat for the greater campus area.

### Jock Macdonald Monograph

Joyce Zemans, Chairman of the Department of Visual Arts at York University, is preparing a monograph on J.W.G. (Jock)



Macdonald. Anyone having information about the locations of Macdonald's work, or information regarding his life as an artist and a teacher should contact Professor Zemans. She would also appreciate the names of individuals whom she might contact regarding such information. Any help would be greatly appreciated, and she may be contacted by writing to: Joyce Zemans, Chairman, Department of Visual Arts, Faculty of Fine Arts, York University, 4700 Keele Street, Downsview, Ontario, M3J 1P3.

#### **Telex Service**

The Purchasing Department operates a Telex machine for its own purposes, and it also offers the service to other departments of the University. The Telex Service may be telephoned at 432-4499 to send messages of less than fifty words via Telex; typewritten copy in languages other than English or longer messages should be brought to the Purchasing Department, 201 General Services Building. Unless otherwise specified, messages are always sent by the most economical method. In ascending order of cost, these methods are Telex, TWX conversion, and Teltex. Although the cost of these options always varies with the length of message and the distance of transmission, the Telex Service charges are structured for simplicity.

The Telex Service charge is \$3 for each twenty-five words or part thereof for messages sent to parties in Canada or the United States. For all other destinations the charge is \$4 for each twenty-five words or part thereof. In the case of Teltex messages, an additional service fee (currently \$2.25 a message) is charged by CN/CP directly to the originator's account.

Telex messages travel directly from the machine located in the Purchasing Department to that of the Telex subscriber and are received simultaneously. The recipient must have a telex machine and the recipient's Telex number should be specified when messages are telephoned to the Telex Service. TWX conversion messages can be sent only to TWX numbers starting with 510, 710, 810, or 910. This method involves the transfer by machine of the Telex message to the TWX network, thus the message is sent and received more or less simultaneously. Teltex messages can be sent if the recipient is located within the limits of a city which has a Telex centre (Canada or the United States). The message is transmitted via Telex to the Telex centre which, in turn, delivers the message in a form similar to that of a telegram.

Telegrams can be telephoned directly to the CN/CP telecommunications centre in Edmonton. Each telephoned request to the CN/CP should include the University's

account number, which is available to administrators by contacting the Purchasing Department. However, when a message is lengthy or difficult, or when a trip to CN/CP is inconvenient, individuals may prefer to work through the Telex Service at the Purchasing Department. The charge for this service is \$3 for each twenty-five words or part thereof in addition to the charge by CN/CP.

#### **French Courses**

The School of the Alliance Française, a non-profit organization, is conducting French courses for adults and children. For further information, please telephone 433-7946 or 466-7960.

#### **University Women's Club Benefit**

The University Women's Club of Edmonton is holding two fashion shows on 13 March at 1:30 p.m. and 8 p.m. at the Mayfield Inn. Admission for the afternoon show is \$3.50, and for the evening show admission is \$5. The money raised from the fashion shows is to be used for bursaries for mature students who wish to further their education and are in need of funds.

#### **Ukrainian Language Resource Centre**

The Ukrainian Language Resource Centre at the University is collecting a variety of materials essential to all types of Ukrainian language education. Besides housing the curriculum guides, textbooks, and materials produced for Ukrainian language programs in the prairie provinces, the centre will contain children's books and magazines developed in other parts of North America and elsewhere.

The Centre will be unique in the Ukrainian community in Canada. It will assess the areas in which publications are most needed, and channel the efforts of Ukrainian-Canadian authors and artists into the areas which require immediate attention. The organizers also hope that duplication of materials for teaching Ukrainian will become minimal.

Donations to the Centre would be greatly appreciated, and they should be forwarded to the Canadian Institute of Ukrainian Studies, 335 Athabasca Hall, University of Alberta, Edmonton, Alberta, T6G 2E8.

#### **Study Tour of China**

A group of people interested in various aspects of community work will travel to the People's Republic of China. From 26 May to 14 June, the tour will visit educational institutions, local development projects, and cadre training programs. The cost of the tour is approximately \$2,500, and notification of interest in the tour must be made by 15 March. Interested persons should contact Hayden Roberts, Faculty of Extension, telephone 432-3028.

#### **Science Dining Club**

The Science Dining Club will meet at 6 p.m. on 16 March. C.F. Bentley of the Department of Soil Science will speak on "The Green Revolution and practical problems of development assistance." Dinner will follow in the Saskatchewan Room of the Faculty Club. Reservations should be made by 14 March by contacting Mrs. Grant, Faculty of Science, telephone 432-4757.

#### **Copyright Workshop**

A workshop, "Copyright in Canada," sponsored by the Edmonton Library Association and the Faculty of Library Science, will be held on 10 March from 9 a.m. to 4 p.m. at the Cromdale Campus of Grant MacEwan College. The purpose of the workshop is to inform the library community and other interested persons about the implications of the proposed revisions to the Canadian Copyright Law. Because of the complexity of copyright law, applicants will be provided with a package of materials to be examined before the workshop. The fee for the workshop is \$15 for E.L.A. and L.R.C. members, \$20 for non-members, and \$5 for library technicians and Library Science students. Further information is available from John Wright, telephone 432-5314.

#### **Creative Clothing Contest**

The Third Annual Creative Clothing Contest is to take place on 5 March at 2 p.m. in the Social Room of the Jubilee Auditorium. Participants from throughout Alberta and from the rest of Canada will model their own creations before the public. The techniques used to produce and decorate the clothing will be demonstrated and an exhibition of the winning entries will be on display at the University Art Gallery and Museum from 10 to 31 March. Admission to the Contest's fashion show is free.

#### **Annual Art Fair**

Theatre Three's Fifth Annual Art Fair will be held at the Southgate Shopping Mall from 1 to 4 March. As in the past, the work of local artists will be available for sale. The proceeds from the Fair go toward the operational costs of the Theatre, and they constitute an important source of funds. The money raised through the sale of crafts is matched by a grant from the provincial government. The Fair will be open during the business hours of the Southgate Mall.

#### **Canadian Parents for French**

The "Canadian Parents for French" will hold a conference at 9 a.m. on 11 March. Parents who are interested in French language education for their children are invited to attend. For further information, telephone 434-0036 or 454-6146.

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## THIS WEEK AND NEXT

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Listings must reach the Editor by 9 a.m. Thursday one week prior to publication. Written notification is preferred.

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### 2 MARCH, THURSDAY

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#### Student Cinema

7 p.m. Action Double with *Fist of Fury* (Hong Kong/United States, 1972), directed by Lo Wei and starring Bruce Lee, Nora Miao, James Tien, and Robert Baker. Also *Yazuka* (Japan/United States, 1975), directed by Sydney Pollack and starring Robert Mitchum, Brian Keith, Takakura Ken, Kishi Keiko. Students' Union Theatre. Tickets available at the HUB Ticket Office and at the door.

#### Edmonton Film Society

7:30 p.m. *The King of Marvin Gardens* (United States, 1972). Directed by Bob Rafelson and starring Jack Nicholson and Bruce Dern. Downstairs, Edmonton Art Gallery. Admission is \$2 for members and \$2.50 for non-members. Tickets available at the door.

#### German Film

7:30 p.m. *Serengeti darf nicht sterben*. 17 Arts Building. Admission is free.

#### Okinawan Dancers

8 p.m. The Okinawa Dancers perform a variety of Oriental dance. Jubilee Auditorium. Admission is \$6 regular and \$4 for students and senior citizens. Tickets available at the Bay Box Office and at the door.

#### Grad House

Thursday Night at the Grad House. Open 8 p.m. to 12 midnight. Refreshments available.

#### Alberta Ballet Company

8:30 p.m. The Alberta Ballet Company presents four new works as well as the popular *Corsair pas de deux*. The feature ballet will be "Whatever happend to Madame Bolduc," based on the music of André Gagnon. Citadel Theatre. Admission is \$7.50 for adults, \$5 for students and senior citizens. Tickets available at the Bay Box Offices, HUB Ticket Office, and at the door.

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### 3 MARCH, FRIDAY

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#### Alberta Ballet Company

2 p.m. A special school children's matinee will be presented at the Citadel Theatre by the Alberta Ballet Company. Tickets and further information are available at the Bay Box Offices, HUB Ticket Office, or by telephoning 428-7808.

8:30 p.m. Evening performance featuring a creation based on the music of Canadian

composer André Gagnon. Citadel Theatre. Admission is \$7.50 for adults, \$5 for students and senior citizens. Tickets may be obtained at the Bay Box Offices, HUB Ticket Office, and at the door.

#### NASA House

4:30 p.m. "Happy Hours" at the NASA House. Cash bar, light snacks, and dancing. For members of the non-academic staff and their guests.

#### Grad House

Friday Night at the Grad House. Open 4 p.m. to 6 p.m. and 8:30 p.m. to midnight. Refreshments available.

#### Student Cinema

7 p.m. and 9:30 p.m. *Welcome to L.A.* (United States, 1977). Directed by Alan Rudolph and starring Keith Carradine, Lauren Hutten, and Sally Kellerman. Students' Union Theatre. Tickets available at the HUB Ticket Office and at the door.

#### Edmonton Film Society

7:30 p.m. *The King of Marvin Gardens* (United States, 1972). Directed by Bob Rafelson and starring Jack Nicholson and Bruce Dern. Downstairs, Edmonton Art Gallery. Admission is \$2 for members and \$2.50 for non-members. Tickets available at the door.

#### Edmonton Symphony Orchestra

8:30 p.m. An all orchestral concert. Jubilee Auditorium. For ticket information, contact the Symphony Box Office, telephone 433-2020.

#### Observatory Tours

8:30 p.m. Observatory tours and observation of the night sky (weather permitting). Physics Building. Admission is free, but reservations are required. For further information and reservations, telephone 432-4201.

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### 4 MARCH, SATURDAY

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#### Edmonton Symphony Orchestra

8:30 p.m. An all orchestral concert. Jubilee Auditorium. For ticket information, contact the Symphony Box Office, telephone 433-2020.

#### Alberta Ballet Company

8:30 p.m. The Alberta Ballet Company presents its final performance of its current subscription series in Edmonton. Citadel Theatre. Admission is \$7.50 for adults and \$5 for senior citizens and students. Tickets are available at the HUB Ticket Office, the Bay Box Offices, and at the door.

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### 5 MARCH, SUNDAY

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#### Children's Program

2 p.m. A special program for children featuring Raffi in concert. Admission is \$2.50 for adults and \$1.50 for children. The concert will take place at, and tickets are

available from, the Village Book Shop, 10212 140 Street. Telephone 452-3791.

#### Cinematheque 16

2 p.m. *A Woman Rebels* (United States, 1936). Directed by Mark Sandrich and starring Katherine Hepburn and Herbert Marshall. Downstairs, Edmonton Art Gallery. Admission is \$2 for members and \$2.50 for non-members. Tickets available at the door.

#### Student Cinema

7 p.m. and 9:30 p.m. *Lucien Lacombe* (France, 1974). Directed by Louis Malle and starring Pierre Blaise, Aurore Clement, Holger Lowenadler, and Therese Giehse. Students' Union Theatre. Tickets available at the HUB Ticket Office and at the door. (Adult)

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### 6 MARCH, MONDAY

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#### Edmonton Film Society

8 p.m. *Deep End* (Great Britain, 1970). Students' Union Theatre. Series tickets available at the HUB Box Office, Woodward's, and at the door.

#### Moscow Chamber Choir

8:30 p.m. The Moscow Chamber Choir conducted by Vladimir Minin. Jubilee Auditorium. Tickets available at the HUB Box Office, Mike's Ticket Office, and at the door.

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### 7 MARCH, TUESDAY

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#### Civilization Series (13)

12:30 p.m. *Heroic Materialism*. L-3 Humanities Centre. Admission is free.

#### Student Cinema

7 p.m. and 9:30 p.m. *Day for Night* (France/Italy, 1973). Directed by Francois Truffaut and starring Jacqueline Bissett, Jean-Pierre Aumont, and Valentina Cortese. Students' Union Theatre. Tickets available at the HUB Ticket Office and at the door. (Adult)

#### Amnesty International

8 p.m. A meeting of Amnesty International. 129 Education South.

#### Otherwise

8 p.m. "Music for the inward ear," presented by members of the group Otherwise. The evening's program of improvised and meditative music and dance will include performances of works by Bayley, Berg, Botar, Damur, Parsons, Shrapnel, and Stockhausen. SUB Meditation Room. Admission is free.

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### 8 MARCH, WEDNESDAY

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#### University Jazz Ensemble

12 noon. Music by Stanley Clarke, Count Basie, Maynard Ferguson, Dizzy Gillespie, and A.C. Jobim. Students' Union Theatre Lobby. Admission is free.

#### Civilization Series (13)

12 noon. *Heroic Materialism*. L-3

Humanities Centre. Admission is free.

**Faculty Club**

*Downstairs.* Family night: southern fried chicken, corn fritters, french fries, salad bar, cup cakes, \$3.75 for adults and \$2.50 for children.

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**9 MARCH, THURSDAY**

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**Cinematheque 16**

7:30 p.m. *Edvard Munch* (Norway, 1976). Directed by Peter Watkins and starring Geir Westby and Gro Fraas. Downstairs, Edmonton Art Gallery. Admission is \$2 for members and \$2.50 for non-members. Tickets available at the door.

**Grad House**

Thursday Night at the Grad House. Open 8 p.m. to 12 midnight. Refreshments available.

**Spring Concert**

8:15 p.m. University of Alberta Mixed Chorus presents a Spring Concert. Students' Union Theatre. Admission is \$2. Tickets available from the HUB Ticket Office, Mike's, and from members of the Chorus.

**Explorations VI**

8:30 p.m. The Department of Music offers its final concert of the season which includes works by Bach, Orlando di Lasso, and Palestrina. These works will be performed by Claude Kenneson, the University of Alberta Choir under the direction of Larry Cook, and a wind ensemble conducted by Professor Kenneson. After the intermission the University of Alberta Jazz Quartet will perform works by Charlie Parker, Miles Davis, Sonny Rollins, and others. Provincial Museum Auditorium. Admission is free.

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**10 MARCH, FRIDAY**

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**Faculty Club**

*Downstairs.* Northern light buffet: grilled arctic char, sauce béarnaise, baked stuffed potato, fresh vegetable, salad bar, blueberry tart, \$5.50.

*Upstairs.* Welsh night: leek soup, roast lamb with mint sauce or red currant jelly, green peas, baby carrots, salad, trifle, \$7.95. Regular dining in Papachase only. Reservations required. Entertainment: Saint David's Welsh Male Choir.

**Cinematheque 16**

7:30 p.m. *Edvard Munch* (Norway, 1976). Directed by Peter Watkins and starring Geir Westby and Gro Fraas. Downstairs, Edmonton Art Gallery. Admission is \$2 for members and \$2.50 for non-members. Tickets available at the door.

**Spring Concert**

8:15 p.m. The University of Alberta Mixed

Chorus offers a Spring Concert. Students Union Theatre. Admission is \$2. Tickets may be obtained at the HUB Ticket Office, Mike's, and from Chorus members.

**Observatory Tours**

8:30 p.m. Observatory tours and observation of the night sky (weather permitting). Physics Building. Admission is free but reservations are required. For further information and reservations, telephone 432-4201.

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**11 MARCH, SATURDAY**

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**Faculty Club**

*Downstairs.* Saturday buffet: grilled lamb chops, salad bar, fresh vegetables, scalloped potatoes, dessert table, \$5.50.

*Upstairs.* Chef's special: minestrone soup, romaine salad, tournedos cordon rouge, fresh vegetable, banana cake, \$7.95. Also regular dinner menu. Reservations required.

**Sooth-Side Folk Club**

8 p.m. Fraser Bruce performs traditional and contemporary British folk songs. Orange Hall, 104 Street and 84 Avenue. Admission is \$3 for members and \$3.50 for non-members. For ticket information contact 475-1042.

**Spring Concert**

8:15 p.m. A concert presented by the University's Mixed Chorus. Students' Union Theatre. Cost of admission is \$2. Tickets are available at the HUB Ticket Office, Mike's, and from members of the Chorus.

**Ensemble Vocal Michel Gervais**

8:30 p.m. The Ensemble Vocal Michel Gervais performs the *Stabat Mater* of Pergolesi and Durufle's *Requiem*. All Saints Anglican Cathedral.

**Student Cinema**

Midnight. *Tunnelvision* (United States, 1976). Directed by Brad Swirnof and Neil Israel. Starring Phil Procter, Howard Hesseman, Ernie Anderson, and Edwin Anderson. Students' Union Theatre. Tickets available at the HUB Ticket Office and at the door.

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**EXHIBITIONS AND PLAYS**

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**University Art Gallery and Museum**

*From 10 March.* "Creative Clothing," an exhibition of the winning entries of the Creative Clothing Contest to be held on 4 and 5 March at the Jubilee Auditorium. *Continuing.* "MC = E<sup>2</sup>," an exhibition of James Klosty's photographs of the Merce Cunningham Dance Company.

**Centennial Library**

*Continuing.* An exhibition of oil sketches and paintings by Bob Dmytruk. Foyer Gallery. *Continuing.* An exhibition of the

photography of Richard I. Gustin. Photography Gallery.

**Students' Union Art Gallery**

*To 6 March.* An exhibition of batik hangings by Lee Beames and wall hangings by Laura Koch.

**Queen Elizabeth Planetarium**

*Continuing.* "The Ice Age Cometh," a show that looks at disrupted weather patterns and attempts to discover what is wrong with our weather. Show times are 8 p.m. Tuesday through Friday and 3 p.m. and 8 p.m. on weekends. For further information, telephone 455-0119.

**Rice Gallery**

*To 11 March.* An exhibition of the paintings of Margaret Mooney. Rice Gallery, Citadel Theatre Complex.

**Theatre 3**

*To 11 March.* Jack Heifner's *Vanities*. Theatre 3. For ticket information and show times contact the Theatre 3 Box Office, telephone 426-6870.

**Northern Light Theatre**

*To 5 March.* Clarence Darrow, a one-man show featuring Wally McSween. Edmonton Art Gallery. For ticket information and show times contact the Northern Light Box Office, telephone 429-3110.

**Walterdale Theatre**

*From 7 March.* *Billie Liar*. Directed by Jim Dougall. For ticket information and show times, telephone 424-0121.

**Citadel Theatre**

*To 11 March.* David Rudkin's *Ashes*. Directed by Tom Kerr. Rice Theatre. For ticket information and show times contact the Citadel Box Office, telephone 425-1820.

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**LECTURES AND SEMINARS**

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**2 March, Thursday**

**Tournee Ouest 1978**

8 p.m. "Le français ou le territoire de Québec: quelle est la base principale du nouveau nationalisme québécois," with speaker André Bernard. Collège Universitaire Saint-Jean.

**4 March, Saturday**

**Public Lecture**

8 p.m. "The language of art and religion—an affair of the head and heart," with speaker Otto Rogers of the University of Saskatchewan. Grad Lounge, 14-6 Tory Building.

**6 March, Monday**

**East European Studies Lecture**

11 a.m. "Ukrainian minorities in east European countries outside the Ukrainian SSR," with speaker Peter Potichnyj, McMaster University. 14-6 Tory Building.



**Art and Design/Classics Lecture**

11 a.m. "From Parthenon to Playboy," with speaker John Prag of the Manchester Museum. 2-11 Humanities Centre.

**Theoretical Psychology Seminar**

2 p.m. "Truth isn't correspondence—what semantics couldn't be," with speaker Jay F. Rosenberg, University of North Carolina. 14-6 Tory Building.

**Walter C. MacKenzie Lectures**

4 p.m. "Macrophage activation," with speaker A.C. Allison of the Clinical Research Station at Harrow. 2-115 Clinical Sciences Building.

**Classics/Art History Seminar**

4 p.m. "The Oresteia in Greek art," with speaker John Prag of the Manchester Museum. 2-11 Humanities Centre.

**Technocracy Inc. Lecture**

8 p.m. "Technocracy—industrial design and operating characteristics." Rocking Chair Lounge, HUB.

**7 March, Tuesday****Walter C. MacKenzie Lectures**

9 a.m. "Immunity and immunopathology of virus infection," with speaker A.C. Allison of the Clinical Research Station at Harrow. 2-115 Clinical Sciences Building.

**Physics Colloquium**

3:30 p.m. "The physics of the violin bow," with speaker W.F. Fry, University of Wisconsin at Madison. P-126 Physics Building.

**East European Studies Seminar**

3:30 p.m. "Comparative literature studies in eastern Europe," with speaker M.V. Dimic. 311 Athabasca Hall.

**Walter C. MacKenzie Lectures**

4 p.m. "Mechanisms of immunity to tumors," with speaker A.C. Allison of the Clinical Research Station at Harrow. 231 Medical Sciences Building.

**8 March, Wednesday****East European Studies Lecture**

11 a.m. "Soviet foreign policy: motives and characteristics," with speaker Ralph J. Lysyshyn, East European Division, Department of External Affairs. 14-6 Tory Building.

**Canada and the World**

12:15 p.m. "Social implications of planned change—comparisons," with speaker Hayden Roberts, Music Room, Centennial Library.

**Walter C. MacKenzie Lectures**

4 p.m. "Immunity to haemoprotozoa," with speaker A.C. Allison of the Clinical Research Station at Harrow. University Hospital Amphitheatre.

**Edmund Kemper Broadus Lectures**

4 p.m. "Beginnings: the state of the arts," with

speaker John Lauber. The first lecture of the series "The modern revolution: poetry and the arts, 1912-1922." L-3 Humanities Centre.

**Botany Seminar**

4:30 p.m. "Vegetation communities of Prairie Creek Fan, Nahanni National Park," with speaker Maureen Kershaw. M-149 Biological Sciences Centre.

**Tournee Ouest 1978**

8 p.m. "Le syndrome de la Sun Life: maladie québécoise," with speaker Gerald Godin, Deputy of the National Assembly. Collège Universitaire Saint-Jean.

**9 March, Thursday****Walter C. MacKenzie Lectures**

12:30 p.m. "The complement system and self-nonsel self recognition," with speaker A.C. Allison of the Clinical Research Station at Harrow. University Hospital Amphitheatre.

**Ukrainian Studies Seminar**

12:30 p.m. "Profile of Ukrainian dissidents," with speakers James Carter and Bohdan Krawchenko. 311 Athabasca Hall.

**Anthropology/Slavic Languages Lecture**

2 p.m. "Meaning/text models in linguistic analysis," with speaker Igor Mel'chuk of l'Université de Montréal. 14-6 Tory Building.

**Interdisciplinary Information Seminar**

4 p.m. The sixth in a series of talks. This week's speaker is J.P. Das of the Centre for the Study of Mental Retardation. 14-6 Tory Building.

**Walter C. MacKenzie Lectures**

4 p.m. "The role of purines in lymphocyte metabolism," with speaker A.C. Allison of the Clinical Research Station at Harrow. 126 Physics Building.

**Classics Seminar**

4 p.m. "Recent archaeological research in Western Iran," with speaker S. Brown. 1-8 Humanities Centre.

**Entomology Seminar**

4 p.m. "An introduction to the Gyrophaginae (*staphylinidae*; *aleocharinae*), a group of obligate mushroom inhabiting beetles," with speaker S. Ashe. 62 Athabasca Hall Annex.

**Edmund Kemper Broadus Lectures**

4 p.m. "The search for a subject," with speaker John Lauber. The second lecture of the series "The modern revolution: poetry and the arts, 1912-1922." L-3 Humanities Centre.

**Introductory Talk**

7 p.m. An introductory talk on Eckankar. 104 Students' Union Building.

**Germanic/Romance Languages Lecture**

8 p.m. "Julio Camba and Germany: a study in ideology critique," with speaker Egon

Schwarz of Washington University at St. Louis. 17 Arts Building.

**10 March, Friday****Germanic/Romance Languages Lecture**

10 a.m. "Herman Hesse's book reviews: their form, aesthetics, and politics," with speaker Egon Schwarz of Washington University at St. Louis. 14-6 Tory Building.

**Walter C. MacKenzie Lectures**

11 a.m. "Mechanisms of autoimmunity," with speaker A.C. Allison of the Clinical Research Station at Harrow. 2-115 Clinical Sciences Centre.

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**NON-CREDIT COURSES**


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**PRACTICAL INTRODUCTION TO MENTAL RETARDATION**

The Centre for the Study of Mental Retardation is presenting a lecture-workshop introduction to mental retardation for parents, foster parents, group home workers, and volunteer, novice, and non-professional personnel working with the retarded. The program will review the causes, characteristics, and classification of mental retardation; the principles of normalization; the medical aspects of mental retardation; learning and development characteristics; behavior management techniques; programming for growth; and social-emotional-recreational development. There will also be a tour of various community facilities for the retarded.

Evening classes are scheduled for 7, 9, 14, 16, 21, 23, 27, and 29 March and 5 April. The fee is \$20 for individuals and \$30 for married couples. For registration forms and further information, telephone 432-4439.

*The courses listed below are offered under the auspices of the Faculty of Extension. Registrations may be made and information concerning the instructors and contents of the courses may be acquired at 228 Corbett Hall or by telephoning the number at the end of each listing.*

**MOTIVATION THROUGH RESULTS ORIENTED PERFORMANCE REVIEW**

The use of performance reviews to motivate employees will be discussed in detail at a seminar on 2 and 3 March. The seminar should be of particular interest and benefit to those individuals who must get work done through others, evaluate the results of the work, and keep employees motivated. *Fee:* \$95. *Telephone:* 432-5532.

**TAX SHELTERS**

A one-day seminar on Tax Shelters has been scheduled for 4 March. The seminar has

been designed to provide business men with an overview of tax shelter possibilities for the deferment of taxation through specified sections of the Income Tax Act. The advantages and disadvantages of various alternatives will be discussed. *Fee:* \$75. *Telephone:* 432-5066 or 432-5067.

#### SI-METRIC WORKSHOP

There will be a two-hour workshop on SI-Metric measurement on 16 March and 23 March. Participants will learn to measure and estimate measurement in linear, volumetric, and mass units. They will also construct cubes which emphasize the coherence of the metric system, learn how to devise metric distance between any two points on the earth's surface, and learn some practical metric bench marks. The course will be conducted by W.F. Reese, Professor of Elementary Education, a noted authority on metric education. *Fee:* \$7. *Telephone:* 432-3037.

#### THE PREPARATION OF GENERAL PLANS

A two-day seminar on the Preparation of General Plans will be held on 14 and 15 March. The seminar is one in the Urban and Rural Planning Studies series and will examine the theory and practice of creating a meaningful general plan. The seminar will focus upon the mechanics of setting up and coordinating research. *Fee:* \$95. *Telephone:* 432-2912.

## SCHOLARSHIPS, FELLOWSHIPS, AND AWARDS

*A special area in 252 Athabasca Hall has been set aside as an information centre on graduate scholarship competitions for study in Canada and abroad. Students may use this reference section during normal office hours.*

#### Predoctoral Scholarships in Huntington's Chorea

*Donor:* Huntington Society of Canada. *Level of Study:* PhD. *Field of study:* Neurochemistry, neurophysiology, neuropharmacology, tissue culture, or human genetics. *Value:* Up to \$6,000. *Number:* Variable. *Duration:* One year; may be renewed for second. *Closing date:* 1 May. *Further information and application forms should be requested from:* Huntington Society of Canada, 13 Water Street North, No. 6, Box 333, Cambridge (Galt), Ontario. N1R 5T8

#### Third Annual Conference on

#### The Applications of Curriculum Research

*Donor:* Faculty of Education, University of Manitoba. *Where tenable:* University of Manitoba. *Level of study:* Graduate. *Field of study:* Education. *Value:* Selected authors will present their papers or theses in Winnipeg; all expenses paid. *Number:* Six (two from Manitoba only). *Conditions:* Students must be working toward, or have graduated recently with a Master's in Education. The paper must reflect the theme of the conference and must have been completed within the past two university calendar years. *Closing date:* 1 August. *Further information*

*and application forms should be requested from:* Selection Committee, Conference on Application of Curriculum Research, c/o Dr. Gavin Hoare, Faculty of Education, University of Manitoba, Winnipeg. R3T 2N2

#### Graduate Student Awards for Research on Cooperation and Cooperatives

*Donor:* Federated Cooperatives Limited, Canadian Cooperative Wheat Producers Limited, Canadian Cooperative Implements Limited, Credit Union Central, Maritime Cooperative Services, Cooperative Trust Company of Canada, Cooperative Credit Society of Manitoba, British Columbia Central Credit Union. *Level of study:* Graduate. *Field of study:* Must focus on some aspect of cooperation or cooperative activity. Bursaries are open to any discipline including those in Agriculture, Social Sciences, Humanities, and Business Administration. *Value:* \$2,000. *Number:* Variable. *Duration:* Awards are given once for a particular research project. *Conditions:* Open to Canadian citizens or landed immigrants enrolled in graduate program and planning research for a Master's thesis or PhD dissertation within the 1978-79 academic year. *Closing date:* 1 July. *Further information and application forms should be requested from:* Heads of Departments of Anthropology, History, Sociology, Psychology, Commerce, Economics, and Political Science.

#### Post-doctoral Research Fellowships in Science and Engineering 1978-79

*Where tenable:* University College, Dublin; University College, Cork; University College, Galway; Trinity College, Dublin; Agricultural Institute, Dublin, 4; Institute for Industrial Research and Standards, Dublin 9. *Level of study:* Post-doctoral. *Field of study:* Science and Engineering. *Value:* Monthly salary within the range of £3,495 to £3,960 per annum, but awards up to £4,617 may be made. *Number:* Variable. *Duration:* Two years; may be extended to three. *Conditions:* Preference will be given to candidates proposing to work in institutions other than those in which they are working at the time of application. Candidates must hold PhD (or equivalent research experience), be under the age of 30 and preferably under age 28 on 20 March 1978. *Closing date:* 20 March. *Further information and application forms should be requested from:* The Secretary, Department of Education (Headquarters Section), Marlborough Street, Dublin 1, or Student Awards Office, 252 Athabasca Hall, University of Alberta.

#### The Brigadier W.N. Bostock

#### Memorial Research Grant

*Donor:* The British Columbia Cattlemen's Association. *Where tenable:* British Columbia. *Level of study:* Graduate. *Field of study:* Cattle industry of B.C. *Value:* \$1,200. *Number:* Variable. *Closing date:* 30 June 1978. *Further information and application forms should be requested from:* B.C. Cattlemen's Association, Agri-centre, R.R. 2, Kamloops, B.C. V2C 2J3

#### Design

#### Canada Scholarships

*Donor:* National Design Council, Federal Department of Industry, Trade and Commerce. *Where tenable:* The best international schools of design. *Level of study:* Normally awarded to those in their Masters program, but there are exceptions (see form). *Field of study:* Design studies: product, furniture, textile, graphic, etc. *Value:* Payments made directly to applicant in amounts determined by commitments to the school to be attended. *Number:* Variable. *Duration:* One academic year; may be renewed. *Conditions:* Must be Canadian citizens or

landed immigrants with at least one year's residence in Canada; must intend to continue in the field of design in Canada upon completion of studies. *Closing date:* 30 April 1978. *Further information and application forms should be requested from:* Registrar, Design Canada Scholarship, Department of Industry Trade and Commerce, Ottawa K1A 0H5, or Student Awards, 252 Athabasca Hall, University of Alberta, Edmonton.

#### Henry DeWitt Smith Scholarships

*Donor:* Henry DeWitt Smith Trust. *Where tenable:* U.S. and Canada. *Level of study:* Graduate. *Field of study:* Mining, metallurgical or petroleum. *Value:* \$2,500, \$2,000, \$1,500, \$1,000. *Number:* Four. *Duration:* One academic year. *Closing date:* 14 May. *Further information and application forms should be requested from:* C. DeWitt Smith, Chairman, The Henry DeWitt Smith Trust Committee, 1250 East South Temple, Salt Lake City, Utah 84102.

#### Scholarships for Advanced Study in Divinity

*Donor:* University of Glasgow. *Where tenable:* University of Glasgow. *Level of study:* Graduate. *Field of study:* Faculty of Divinity. *Value:* £1,600 per annum, with remission of fees; additional married and children's allowances may be made. *Number:* One. *Duration:* Two years (possible extension to three years). *Conditions:* Letters of application should be addressed to the clerk, Faculty of Divinity, and provide full particulars of proposed study and details of academic career, with evidence (if possible) of previous degree. Names of two references are required. *Closing date:* 15 March.

## RESEARCH GRANTS

This list of deadline dates for submissions to granting agencies for research funds, exchange programs, and travel grants is published every month in *Folio*. In order to allow sufficient time for processing, all applications should reach the Research Grants and Contracts Office at least ten days before the deadline date. Where other University resources are involved, the time requirement may be much longer than ten days and such applications should therefore be submitted well in advance. An extra copy of the application should be provided for the Research Grants and Contracts Office.

Further information may be obtained by consulting the *Calendar of Granting Agencies for Research Funds, Exchange Programs, and Travel Grants*, which is available in the offices of Deans, Directors of Institutes and Centres, and Department Chairmen, or by telephoning the Research Grants and Contracts Office, 432-5360. Note: Although the Calendar is updated on a continuous basis, the following information could be subject to change without notice. If staff members have advance information on forthcoming changes, the Research Grants and Contracts Office would appreciate being advised. *Code:* (R) Research funds; (E) Exchange programs; (T) Travel grants.

<i>Calendar source number</i>	<i>Code</i>	<i>Granting agency</i>	<i>Deadline date</i>
(25)	R	American Philosophical Society	7 Apr. 11 Aug. 6 Oct. 16 Dec. 9 Feb.
(259)	R	Multiple Sclerosis Society of Canada	1 Apr. 1 Oct.
(320)	R	North Atlantic Treaty Organization	30 Apr. 15 Sept. 15 Jan.

## SURPLUS EQUIPMENT LISTING

*The equipment listed below has been declared surplus. If your department is interested in any of this surplus equipment, please get in touch with the declaring department and arrange a satisfactory price. Once you have arrived at a price, make up a purchase requisition showing the account to be charged, and forward the requisition to the Purchasing Department.*

*All departments are encouraged to dispose of surplus equipment. This disposal is accomplished by completing a surplus equipment declaration form and forwarding it to the Purchasing Department. Proceeds from such disposals are normally credited to the accounts from which the equipment was originally purchased; however, this is not always the case. For further information and details on the disposal of surplus equipment, telephone Bonnie O'Dwyer or Roy Bennett at 432-3208.*

One Water Bath (Boekel).  
One Oven Incubator (Thelco 6).  
One Incubator (Thomas).  
One Furnace (Thermolyne).  
One Glassware Washer (Fischer Deluxe).  
One Centrifuge (Micro Hematocrit).  
One Water Bath (Forma).  
One Centrifuge (Floor I.E.C. with Rotor).  
One Balance (Top Loader Mettler P3).  
One Freeze Dryer (Sargent).  
One Refrigerator (Meese Chest Type).  
The equipment is in new and unused condition. For further information contact D.M. Whidden, Department of Surgery, telephone 432-6605.

## ADVERTISEMENTS

*All advertisements must be received by 9 a.m. the Friday prior to publication. Rate is 15 cents per word for the first week and 5 cents per word for subsequent weeks ordered before the next deadline. Minimum charge is \$1. Ads must be paid in advance and are accepted at the discretion of the Editor. We regret that no ads can be taken over the telephone. For order forms or further information, telephone 432-4991.*

### Accommodations available

Luxury two-bedroom condominium in Kihei, Maui; available from 1 April; \$35 per night for four. 478-6077; 475-7762.

For rent—four-bedroom furnished house in Windsor Park. Fireplace, family room, piano; three-car garage. Available 1 June. \$600 per month; \$600 damage deposit. 439-7683.

For rent—attractive older three-bedroom house; Mill Creek ravine area, central to campus and downtown. Furnished for younger family. 15 May to 15 December. 439-2691 evenings.

Renting—four-bedroom period house. River valley view, dead-end street, study; furnished. September to July. 429-2226.

For sale—large bungalow, fireplace; master bedroom includes three-piece bathroom; quiet street, Ermineskin. \$83,900. Liz Crockford, Spencer Real Estate. 436-5250; 434-0555 residence.

For sale—townhouse in Southgate area. Three bedrooms, 1½ baths, five appliances. 432-5876; 436-6032.

For rent—1 July 1978 - 31 July 1979. Malmo, four-bedroom split-level, furnished; 1½ baths, rumpus room, two fireplaces. Major bus routes one block; near all schools; two miles to campus. \$650. 435-5433.

For sale by owner—executive bungalow in Belgravia, 71 Avenue, 116 Street. Includes three bedrooms, large living room-dining room, fieldstone fireplace, large kitchen; rumpus room with wet bar, study, extra bedroom, bathroom, utility room and workshop in basement. Double heated garage. \$95,000. 922-3807; 465-0405.

For rent—two blocks from campus; North Windsor Park. Two-storey, four-bedrooms, three bathrooms, rumpus room, fireplace, attached garage. Completely furnished; large private backyard with elevated patio attached to house. One-year lease as of 1 July 1978. References required. Telephone 439-5336.

For rent—two-bedroom condominium, 116 Street, Jasper Avenue. Available 1 March. Telephone 963-3180 after five.

For sale—bi-level; Duggan, five years old, two fireplaces, 1,945 square feet. 435-4349.

For rent—May - August 1978. Three-bedroom two-storey furnished house in Garneau. Finished basement. \$450. 432-1150.

For rent—Belgravia three-bedroom house; carpeted, all major appliances. \$475. Available 1 May. 436-1881.

For sale—doctor's residence, South Petrolia; prestigious location in secluded cul de sac. This impeccable one-year-old five-bedroom, custom-built Ace Lange home must be seen to be appreciated. Outstanding decorator's detail throughout. Many extras, including automatic underground sprinklers, two attractive tyndalstone fireplaces, top quality carpeting and outstanding wood finishing in family room. An exceptional value. For private viewing, telephone Jeanne Eid 434-5780, residence. Business, 436-5250. Spencer Real Estate.

For sale by owner—three-bedroom townhouse, 2½ blocks off Quesnell freeway; 1½ baths, five appliances, underground parking, fireplace. \$65,000. No agents please. 432-6593.

For rent—four-bedroom Mill Creek family home. June 1978 - September 1979. \$500. 433-4687.

For sale by owner—eight-month-old condominium. Three bedrooms, 1½ baths, carpeted, two appliances included. West end. \$49,000. Telephone 487-0497 evenings.

For rent—newly decorated one-bedroom basement suite. 110 Street - 82 Avenue. \$250 monthly; damage deposit \$200. 436-2507.

Renting for summer session—fully furnished apartment; one bedroom, den, library. Rent \$628 plus \$100 damage deposit—payment in advance. Twenty minutes from University. 484-8224 after four.

For sale—Wedgewood Estate: executive country home within city limits; ravine location, custom built eight-room split level; main floor family room, utility room; fireplace, two furnaces (electronic filters), double garage. Exceptional landscaping. R. Richter 483-9432. Weber Bros. 455-4135.

For rent—1 August for one year. Four-bedroom bungalow, furnished or semi-furnished. Petrolia, near bus and school. \$450 monthly plus damage deposit. 435-1468.

For rent—large two-bedroom apartment condominium. 97 Avenue - 112 Street. Direct river view. No pets. May or June possession. \$485 monthly plus utilities. 435-6686.

For sale—excellent location. A very special two-bedroom home on quiet street within walking distance of campus. Immaculately kept 900-square-foot bungalow. Mature landscaping with many large trees, shrubs, and perennials. For viewing please telephone Faye Lund 436-4240; 436-5355. Block Bros. N.R.E.S. Ltd., 12313 63 Avenue, Edmonton, Alberta.

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The final deadline for submissions is May 1, 1978. For guidelines governing these grants — or an application form — contact:

**Executive Secretary  
Research Sub-Committee  
Provincial Mental Health  
Advisory Committee  
10030 - 107 Street  
Edmonton, Alberta  
Phone: 427-2813**

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